

**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
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EFS ID:	20117
Application ID:	10065806
Title of Invention:	Systems And Method For Estimating Speed And Pitch Sensor Errors
First Named Inventor:	Faroog Ibrahim
Domestic/Foreign Application:	Domestic Application
Filing Date:	null
Effective Receipt Date:	2002-11-21
Submission Type:	Utility Patent Filing
Filing Type:	new-utility
Confirmation Number:	0
Attorney Docket Number:	200-1190
Digital Certificate Holder:	cn=Gigette M. Bejin, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US
Certificate Message Digest:	L9uo0gRo+qYfAsBssX1tDw==
Total Fees Authorized:	\$1030.0
Payment Category:	DA - Deposit Account
Deposit Account Number:	61510
Deposit Account Name:	Angela Y. Singleton



# TRANSMITTAL FORM

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Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:

200-  
1190



## Systems And Method For Estimating Speed And Pitch Sensor Errors

First Named Inventor: Faroog Abdel-Kareem Ibrahim

### SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Angela Yvonne Singleton Electronic  
Application Specialist

Electronic Signature Mark: /ays

Date Signed: 20021121

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### Attached Files:

declaration	dec1.tif
declaration	dec2.tif
declaration	dec3.tif
declaration	dec4.tif

declaration  
patent-assignments  
bibd-transmittal  
fee-transmittal  
specification

consent.tif  
200-1190asgn.xml  
200-1190apds.xml  
200-1190fee.xml  
SPEC.xml

**Attached Image File(s):**

dec1.tif  
dec2.tif  
dec3.tif  
dec4.tif  
consent.tif

**Comments:**


<b>DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION</b>	<b>Attorney's Docket No. 200-1190</b>																	
<p>As a below named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name;</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed for which a patent is sought on the invention entitled</p> <p><b>SYSTEMS AND METHODS FOR ESTIMATING SPEED AND PITCH SENSOR ERRORS</b></p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"> <input checked="" type="checkbox"/> no such applications have been filed, or  <input type="checkbox"/> such applications have been filed as follows:  <input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below </p>																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">COUNTRY</th> <th style="width: 15%;">APPLICATION NO.</th> <th style="width: 15%;">DATE OF FILING (month, day, year)</th> <th style="width: 15%;">DATE OF ISSUE (month, day, year)</th> <th style="width: 15%;">PRIORITY CLAIMED UNDER 35 USC 119</th> <th style="width: 20%;"></th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td rowspan="2" style="vertical-align: top; padding: 2px;"> <input type="checkbox"/> Additional provisional application numbers are on a supplementary priority data PTO/SB/0; attached hereto </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119							<input type="checkbox"/> Additional provisional application numbers are on a supplementary priority data PTO/SB/0; attached hereto					
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<p>I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which becomes available between the filing date of the prior application and the national or PCT International filing date of this application.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; border-bottom: 1px solid black;">(Application Number)</td> <td style="width: 33%; border-bottom: 1px solid black;">(Filing Date)</td> <td style="width: 33%; border-bottom: 1px solid black;">(Status - patented, pending, abandoned)</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;">(Application Number)</td> <td style="border-bottom: 1px solid black;">(Filing Date)</td> <td style="border-bottom: 1px solid black;">(Status - patented, pending, abandoned)</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </table>		(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)				(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)								
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<p><b>POWER OF ATTORNEY:</b> - I/we hereby appoint the following Practitioners: Customer No. 28395, Frank A. Angileri - 36, my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.</p>																		

NOV 04 '02 13:09 FR POWERTRAIN CONTROLS 313 322 1830 TO 913133227162 P.03/03

**Address all correspondence and telephone calls to: Customer No. 28395,**

**Frank A. Angleri**  
**Brooks & Kushman**  
 1000 Town Center Twenty-Second Floor  
 Southfield, MI 48075-1351 Phone: 248-358-4400

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief : believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made a punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statem: jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE
Farooq Abdel-Kareem Ibrahim 4331 Bingham St Dearborn MI 48126 US	Dearborn MI 48126 US	Jordan	
Thomas Edward Pilutti 428 Eberwhite Blvd Ann Arbor, MI 48103 US	Ann Arbor, MI 48103 US	U.S.A	
Nizar Alholou 5031 Tylor Troy, MI 48085 US	Troy, MI 48085 US	U.S.A	

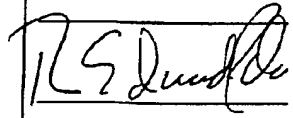
Attorney Docket No: 200-1190

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P.03/03

<p><b>Address all correspondence and telephone calls to: Customer No. 28395,</b></p> <p>Frank A. Angileri  Brooks &amp; Kushman  1000 Town Center Twenty-Second Floor  Southfield, MI 48075-1351 Phone: 248-358-4400</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the application or any patent issuing thereon</p>			
<p><b>NAME AND MAILING ADDRESS OF INVENTOR</b></p> <p>Faroog Abdel-Kareem Ibrahim  4331 Bingham St  Dearborn MI 48126 US</p> <p>Thomas Edward Pilutti  428 Eberwhite Blvd  Ann Arbor, MI 48103 US</p> <p>Nizar Alholou  5031 Tylor  Troy, MI 48085 US</p>	<p><b>RESIDENCE</b></p> <p>Dearborn MI 48126  US</p> <p>Ann Arbor, MI 48103  US</p> <p>Troy, MI 48085  US</p>	<p><b>CITIZENSHIP</b></p> <p>Jordan</p> <p>U.S.A</p> <p>U.S.A</p>	<p><b>SIGNATURE</b></p> <p></p>

Attorney Docket No: 200-1190

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Nizar Alholou 5031 Tylor Troy, MI 48085 US	Troy, MI 48085 US	U.S.A	N. Alholou



PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Case Docket No. 200-1190  
Date: November 13, 2002

Sir:

Inventor(s):  
**Faroog Ibrahim**  
**Thomas Pilutti**  
**Nizar Alholou**

For: **SYSTEMS AND METHODS FOR ESTIMATING SPEED AND PITCH SENSOR ERRORS**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:



---

Damian Porcari  
Attorney or Agent of Record  
Registration No. 31,461  
Ford Global Technologies, Inc.  
One Parklane Blvd.,  
600 Parklane Towers East  
Dearborn, MI 48126  
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# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 1030**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510

Deposit Account Name: Ford Global Technologies, Inc.



Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Angela Y. Singleton

Electronic Signature Mark: /ays

Date Signed: 20021121

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 27	1202	\$ 18	7	\$ 126
Independent Claims: 4	1201	\$ 84	1	\$ 84

10065806 21.12.2022

Subtotal For Extra Claims Fees: \$ 210

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80